

WHAT IS CLAIMED IS:

1. A solid state imaging device comprising:

a plurality of two-dimensionally arrayed light receiving pixels which generate electrical charges according to the incident light;

at least two accumulating pixels for each of the light receiving pixels for accumulating the electrical charges;

a light shield for shutting off light entering the accumulating pixels and having an aperture at each of the light receiving pixels; and

an opaque cover having a low reflectivity and laid over the light shield with an aperture at each of the light receiving pixels.

2. The solid state imaging device according to claim 1, wherein the opaque cover further has a low transmissivity with respect to the incident light.

3. The solid state imaging device according to claim 1, wherein a protective layer is laid between the light shield and the opaque cover.

4. The solid state imaging device according to claim 1, wherein the opaque cover is extended over an edge of the aperture of the light shield.

5. The solid state imaging device according to claim 1, wherein the solid state imaging device is an FT-type CCD.

6. The solid state imaging device according to claim 1, wherein the solid state imaging device is an IT-type CCD.

7. The solid state imaging device according to claim 1, wherein the solid state imaging device is an FIT-type CCD.

5 8. The solid state imaging device according claim 5, wherein the opaque cover is made of the same material as that used in the black layer for the filter array of a normal CCD.

10 9. The solid state imaging device according claim 6, wherein the opaque cover is made of the same material as that used in the black layer for the filter array of a normal CCD.

15 10. The solid state imaging device according claim 7, wherein the opaque cover is made of the same material as that used in the black layer for the filter array of a normal CCD.